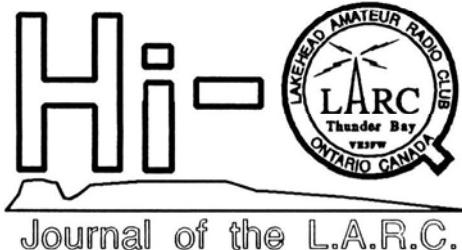


Club Repeaters:

VE3TBR —Tel. 767-7661
Listen on: 146.82 MHz.
TX on: 146.22 MHz.

VE3YQT—Tel. 767-5492
Listen on: 147.06 MHz.
TX on: 146.46 MHz.

**Next meeting:**

Thursday, Mar. 10th
1994
Room 245, McIntyre
Building,
Confederation College.

March, 1994**LARC is a member of Radio Amateurs of Canada****We welcome...**

New calls are being heard on the air in Thunder Bay.
Please welcome the following to the greatest hobby in the universe:

VA3VJH	Vern Hicks
VA3DIZ	Patrick Wilson
VA3SAW	Stan Wilkins
VA3LEX	Lexanne Haliday
VA3TFS	Terry Saunders,
VA3JMS	John Sacek
VA3DJS	Dan Simko
VE3NCN	Joan Klemacki

Vern had passed the test and should have been included in the page one article last month. My apologies Vern.

Not all these calls have been heard on the air yet, one or two folks have not decided which radio they want. We welcome all of you in any case, and hope you are all on the air soon.

The classes may be finished, but the learning process goes on. We all need technical help at one time or another. If you have any problems with a radio or setting up your antenna and you want help, don't be afraid to ask. Call anyone listed on page 2.

Better yet, join us for coffee. Some of our members (and some of them are our local experts) regularly meet for coffee at Robbins on May Street at about 2 p.m. Another group sometimes gets together again around 9:30 p.m. Stop by and say Hello. You will find someone to help.

Duluth Swapfest '94

The annual Duluth Swapfest will be held Saturday, May 7 at Marshall. It's a good opportunity to meet with and renew acquaintances south of the border. As well, you just might find that rare, one-of-a-kind, thingumajig you've always needed but could never locate. Watch this space next month for more details.

Family bereavement

Mrs. Ellen Klemacki, mother of Bill, VE3AJ, passed away on Thursday, February 17. Our sympathy and the condolences of all area amateurs are extended to Bill, his wife Joan, VE3NCN, and family.

Communicators needed...

If you can provide communications assistance during the Nordic Games Trials in mid March contact Skip, VE3BBS

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**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:
LARC — Hi-Q ▼ P.O. Box 2571 ▼ Thunder Bay ON Canada P7B 5G1**

Lakehead Amateur Radio Club History Project

1993/94 LARC

Founding President

P.J. (Pat) O'Shea
1881—1972

EXECUTIVE BOARD

President:	Terry Stewardson	VE3TKA	577-9439
Vice-Pres.:	Steve Robb	VE3KRH	345-6992
Secretary:	Norm Bell	VE3XRC	577-9316
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	Pat Pugh	VE3PHU	345-8562
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	Lindo Scalese	VE3NHX	767-4377
	Glen Wallace	VE3ICY	623-0135
	Bill Unger	VE3EFC	683-3141
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	Steve Robb	VE3KRH	345-6992
	Terry Stewardson	VE3TKA	577-9439
EMC Comm.:	Bob Bishop	VE3JAB	767-5689
	Mike Nawrocki	VE3ZG	767-1714
	Bill Unger	VE3EFC	683-3141
	Laurie Bridgett	VE3BCD	622-1628
	Lindo Scalese	VE3NHX	767-4377

Industry Canada Delegates

Vol. Exam'r's:	Ed Baumann	VE3SNW	622-1216
	Dave Kimpton	VE3AVS	344-8949
	Bob Mitchell	VA3XC	983-3000

ARES Emergency Coordinators

E.C.:	Skip Wright	VE3BBS	767-2307
Assist. E.C.:	Norm Bell	VE3XRC	577-9316

Radio Authorizations Revoked

Via Packet 23 Jan. 1994 1605 hrs. from VE7AV

VANCOUVER, January 18, 1994 - The Amateur Radio Station Licence and Amateur Radio Operators Certificate of Pierre Joseph Souaillard have been REVOKED by Industry Canada (formerly known as the Department of Communications) after an investigation by departmental radio inspectors revealed that another person had in fact written the qualifying operator's exam on Mr. Souaillard's behalf.

Hal Hickey, acting District Director of Spectrum Management for Industry Canada's Lower Mainland office, said that charges under the Radiocommunication Act have also been laid against Mr. Souaillard.

Industry Canada's investigation revealed that Mr. Souaillard had interfered with amateur radiocommunications, modified his amateur radio equipment to enable it to transmit on police frequencies, and interfered with police radiocommunications.

"While a licence/certificate suspension would usually be applied on a first offence for any one of these violations", said Mr. Hickey, "the fact that Mr. Souaillard broke so many of the regulations is cause for full revocation."

Mr. Hickey also announced that the person who is alleged to have written the exam on behalf of Mr. Souaillard, is also under investigation for alleged offenses under the Radiocommunication Act.

Quoted from Industry Canada News Release

Amateur Radio North West

From the first issue I had always looked forward, each month (except July and August), to receiving "the Newsletter for the Beginning Amateur in Northwestern Ontario".

Alas! The Amateur Radio Northwest is no more! Editor, Lloyd W. Montgomery, VE3JJY, of Dryden, published the last issue in February. Citing expenses as the main reason for ceasing publication, Lloyd also indicated the work load required to produce a quality monthly was just too much for one person.

His final issue showed us where his heart is. He demonstrated his personal desire to promote amateur radio by providing copies of the registration form for the RAC Convention '94.

Ironically, two touching items from Lynne, VE3JBL, also demonstrated the another 'best of amateur radio'. Friendship is one of the main reasons most of us are in the hobby.

Each of us needs an Elmer, I for one will miss the regular deliveries of Amateur Radio Northwest. Hopefully we can talk Lloyd into contributing an occasional item for this newsletter.

What do you say Lloyd? Back to you. ...VE3UA.

Famous Radio Station Goes Dark!

Via Packet from: VE3TJD, Tedd—Date: 30-01-94.

I was asked by Lee, VE4ANC to forward this to all his friends, and to notify them, that he will be off the air till late February or beginning of March. Hope the move goes well Lee...Tedd

NEWS RELEASE

Prominent Winnipeg radio station owner J. Lee Smith, today dismantled the last equipment at the site of famous East Kildonan station VE4ANC, citing (QRN) from RFI sensitive neighbours and out of control land taxes as the major reason.

"The final straw for us", said Smith, "was the City of Winnipeg attempting to regulate the height of antennas through the Draconian interpretation of Building Permit applications."

Further, the incensed owner says, "the failure of the voters to reject the policies of the No Downpayment Party in the recent Federal Election are forcing me to flee the area. This is a veritable (banana republic dictatorship)!" — MP for Transcona riding is Bill Blackie, an NDP member.

"I feel like I'm escaping from East Germany in the mid 60's" stated the radio mogul. "I can see radio freedom on the horizon, and once established in my new country manor-house, I can be counted on to generate some fearsome field strengths" the RF master said.

Although it may well be off the air until the end of February or perhaps mid march, the new VE4ANC, operating from The Free Territory of St. Francis, will be a radio-force to be reckoned with! QRX

Ham stations to link...

By: Tim, VE3WCT

Two stations will join forces in 1994. Tammy, VE3XTK and Brian, VA3BRI (a.k.a. VE3UKE) will soon be joined in marriage.

After years of communicating with Tammy, Brian finally asked for a merger between the two stations. This merger is said to be one of the most serious attempts yet to link the two stations. Insiders who were monitoring negotiations stated that the most difficult portion of the settlement concerned the "Can I please have a tower in the back yard" support structure clause. The "It's my handheld, but you can borrow it" argument has apparently been dropped!

Amateurs wishing to help the stations commemorate the link are requested to see me at the regular Saturday breakfast, at the March 10th general meeting or just about anywhere; and, I will sell you a shag ticket. The shag will be held March 19th at the C.A.W. Hall on Gore Street.

On behalf of all amateurs, I would like to say congratulations and best wishes.

LARC/Hi-Q Information

Hi-Q is published ten months of the year by the Lakehead Amateur Radio Club Inc. (LARC), an Ontario registered, non-profit corporation. The opinions/viewpoints expressed or implied in Hi-Q are those of the contributing authors; the LARC, Hi-Q or its' Editors assume no responsibility for the accuracy of information submitted. Material in Hi-Q may be copied for non-profit use by the amateur radio community provided credit is given to the author and source(s).

Contributions related to amateur radio, and in particular articles of interest to Northwestern Ontario amateurs, are encouraged. Contributions in the form of manuscripts with drawings and/or photographs are welcome, however, the preferred method of submission is electronically, either via modem or on a 3.5" disk, the disks will be returned). The preferred format is as a WordPerfect® 5.1 file; the next acceptable is as an IBM-compatible ASCII file.

Mail your articles direct to the Assistant Editor, Bill Boland, VA3BA, at 431 McKenzie Street, Thunder Bay, ON, P7C 3L1. Files may also be submitted via modem by prearrangement at (807) 622-3686 (2400 N, 8,1) or on PACKET to VE3BQR @ VE3TKA.NON.ONT.CAN.NA.

Dated announcements should be received by the editor(s) no later than ten days prior to the first day of the month in which the notice is to appear.

As a means of reducing production and distribution expenses, Hi-Q will accept advertising at the following per-issue rates: Full page — \$60.00; ½ page — \$40.00; ¼ page — \$20.00; and ¼ page — \$15.00. Reduced rates, of one third off, are available upon receipt of advance payment for 10 issues (i.e. one full year). Send your "camera ready art work" and cheque (payable to LARC) to the Club address below.

Advertising matter that appears in Hi-Q implies neither endorsement nor recommendation of the product or service by the LARC, Hi-Q or its' Editors.

LARC membership fees, determined annually, are set for 1993, as follows: Regular — \$30.00; Associate — \$20.00; Associate (attending Ham classes) — \$80.00; Student (attending school full time) — \$15.00; and Family — \$30.00, plus \$10.00 for each additional member of the family at the same address.

Hi-Q is distributed to all LARC members, except that only one copy is issued to each address.

The club call is VE3FW in honour of our founding president, Pat O'Shea. The LARC owns and operates two VHF repeaters, VE3TBR on 146.82 MHz (minus) located atop St. Joseph's Heritage, and VE3YQT on 147.06 MHz (minus) located on Mount Baldy.

The club mail address is: Lakehead Amateur Radio Club Inc., P.O. Box 2571, Thunder Bay ON P7B 5G1.

Moving? Be sure your Hi-Q follows you! Send your change of address notice to:
LARC — Hi-Q ▼ P.O. Box 2571 ▼ Thunder Bay ON Canada P7B 5G1

Wind profiler issue and beyond

By: Cameron A. Grant, VE3LCC

*Via Packet From: VE3ABG @
VA3BBS.#SCON.ON.CAN.NA*

Now that the head to head negotiation between radio amateurs and Communications Canada over the Wind Profiler issue has come to a close, it is perhaps time to reflect on the events of the past two years. (Yes, believe it or not, it has been nearly that long!) Having been involved in the negotiation from the beginning, I have made a few strategic observations that I believe should be discussed and acted upon.

First, there have been generally two opinions that have pervaded the entire process; one of enthusiasm and the other of passivity. The passivists argue that it is counter productive to engage in a confrontation with Communications Canada, fearing retaliation. If negotiators in general held this attitude, we would have no constitution today, let alone a country. In dealing directly with Communications Canada, I can personally reassure those worried about retaliation that the decision makers in the department are professionals who respected our position. In fact, I would argue that our performance, including our technical analyses, have done far more good toward building the departments respect toward the amateur community than any passivist stand could ever do. After all, the department continued negotiations long past scheduled deadlines even in light of "radical" behaviour. Contrary to some theology, the letter writing campaign was very successful. Communications Canada had never seen so many letters devoted to one issue. Wanting to avoid becoming a political football, Communications Canada recognized that responding to these letters was unavoidable. Let's not use weak childish excuses to condone lethargy.

Now, although I have made a number of positive statements about Communications Canada, I have a number of concerns that when voiced will likely seem contradictory. They are also, paradoxically directed to the amateur community as well.

When negotiations drew to a close in November, and we forged our way toward a settlement and communique, I could not help but feel a grave sense of loss. It seemed the Department never had any intention of changing the allocation and they indicated that they have no intention of protecting the amateur spectrum. Even in the interest of curbing future confrontation, the Department refused to commit to informing the amateur community of any future proposals that pose a threat. Therefore, since the department would not adhere to a change in policy, we are doomed to similar events and possible loss in the future.

The question is, how is amateur radio going to survive in the future with this attitude? In the past, amateurs had the privilege of being masters in their own house. Now, with the spectrum being applied to so many different technical interests, amateur radio does not have to be close to the heart of the

majority that use the spectrum. As a result, most of the governing bodies that dictate spectrum allocation are comprised of engineers and administrators with little if any interest in amateur radio. These new administrators, when faced with the dilemma of allocating a new service, simply apply a cost benefit analysis using their understanding of each service. The benefits of amateur radio that amateurs have learned to respect and preach from their soap box, are no longer automatically included in the equation. If I had only a casual exposure to amateur radio, I too may observe it as a glorified CB and whittle away at "wasted" amateur spectrum awarding it to "more useful" services that benefit the public good directly. So, the task is obvious: we must market amateur radio as effectively as any commercial competitor.

Marketing amateur radio effectively is something at which we have failed miserably. Ask the average person on the street what amateur radio is and you will likely conjure up images of rooms filled with huge tube radios or spark gap transmitters if any image at all. We should get involved in creating flashy videos and glossy literature to catch the public eye and encourage involvement or just understanding. We should devise ways to touch almost every Canadian's life. Even pursuing more media coverage of amateur events is fundamental. In fact, a terrific idea, that I believe originated in the west, was the inclusion of a credited communications course in a high school curriculum where the final exam gave the student not just a credit but a ham ticket as well. There is definitely enough material to create such a course.

The value of amateur radio to education is probably its greatest asset. It is shameful how the medium is not just under-utilized but ignored in a field where it could serve as a most invaluable practical experience tool. During my education in Electrical Engineering at the University of Toronto, I was astounded to find that most people, even professors, had little knowledge of amateur radio, yet much of the research that they were involved in had some basis in this hobby. It would be an immense bonus to the hobby to have those in the forefront of research and education utilizing our spectrum. Amateur radio would again be back to harbouring ground-breaking research as it once did. In fact, the benefit is twofold since those involved in managing our spectrum would experience amateur radio first hand in their education, and the hobby would again have a sound foundation within the governing ranks. It would be that much more difficult for Communications Canada to justify the erosion of amateur bands.

The survival tactic of marketing amateur radio falls mainly in the hands of our national organizations. Unfortunately our own organizations are in a state of misfortune. Marketing, being a particularly arduous task requiring full time attention, demands that we place more emphasis on and give more support to an organization that properly combines talent and enthusiasm with a full time, paid president who does not insult, but rather respects all aspects of

Continued on Page 7.

1.25 Metre Bandplan Proposal

(as proposed by Dana Shtun, VE3DSS ...Ed.)

Via Packet 30 Dec. 1993 from: VE3DSS@VE3OY.#SCON.ON.CAN.N.1

Yes we still have 220 - 222 MHz, and with luck we will still have access in the future...

January 1994: the Radio Amateurs of Canada Bandplan (Proposed ...Ed.)

Band: 220 - 225 MHz

STATUS: EXCLUSIVE (see footnotes 2 and 3. ...Ed.)

Frequency (MHz)	Utilizaton
220 - 221	High data rate digital (\geq 4800 B) ** MAX BW 100 KHz, 220.55 - 220.95 MHz Duplexed to 430.05 - 430.45 MHz (2)
221.01 - 221.09	Packet (\leq 2400 B), 20 KHz Channelling
221.1 - 221.95	Digital
222 - 222.3	CW, SSB
222 - 222.05	EME Exclusive
222.05 - 222.1	CW
222.1	National CW Calling Frequency
222.1 - 222.275	SSB
222.2	National SSB Calling Frequency
222.275 - 222.3	Propagation Beacons
222.310 - 223.37	Repeater Inputs (1)
223.390 - 223.490	Data - High Speed Data (Local option cross band duplexed to 430 MHz, or 1300 MHz.)
223.49 - 223.59	FM Voice Simplex
223.59 - 223.89	Data
223.59 - 223.69	High Speed Data (Local Option 1 - 100 KHz channel, or 3- 30 KHz Channels, 223.605, 223.635, 223.665)
223.685 - 223.805	Narrow Band Packet (4-channels, Max BW KHz each centred at 223.7, 223.73, 223.76, 223.79)
223.790 - 223.890	High Speed Data (local option as 223.39 - 223.49)
223.91 - 225	Repeater Outputs (1)

Footnotes:

1. See table of repeater pairs
2. Links must be designed to limit emissions into the U.S. on a voluntary basis.
3. RAC is proposing Secondary Status 218 - 220 MHz.

Note:— For those who did not like the 2 Metre "Canadian" bandplan ...there is lots of packet space up here, and it's not the same as that in use south of the border.

Note: This bandplan, those published last month and others to follow next month are presented here for the purpose of starting discussions on how Canadian amateurs think we can achieve the best use of the amateur spectrum. Form local discussion groups and talk it up. Then send the consensus of opinions to Dana Shtun, VE3DSS. Ed. ...Jim, VE3UA

70 Centimetre Bandplan Proposal

(as proposed by Dana Shtun, VE3DSS ...Ed.)

Via Packet 30 Dec. 1993 from: VE3DSS@VE3OY.#SCON.ON.CAN.NA

July 1993: The Radio Amateurs of Canada Bandplan (Proposed ...Ed.)

Band: 430 - 450 MHz

STATUS: SECONDARY

Frequency (MHz)	Utilization
430 - 431.25	Digital Modes
430.05 - 431.25 WW	High Rate Data, \geq 4800 B (1)
431.25 - 432.75	Weak Signal/ Narrow Band AM ModeS Bandwidth (\leq 2.5 KHz)
432.0	Moon Bounce (International)
432.1	SSB/CW Weak Signal Calling Frequency
432.2	SSB Calling Frequency (Local)
432.3 - 432.4	Propagation Beacons
432.4 - 432.75	Mixed Mode Narrow Band Experimentation
433 - 434 WW	Digital Exclusive (\geq 4800 B)
434 - 434.5 PP	Digital Exclusive (\leq 2400 B)
434.5 - 434.8	Narrow Band Repeater Links and Auxiliaries
435 - 438	Satellite (International, Exclusive)
438 - 444	National Amateur Fast Scan TV
439.25	Video Carrier Frequency
442 - 445	Repeater Outputs (2)
445 - 447 PP	Fixed Repeater Links, Simplex
446	National FM Calling Frequency
447 - 450	Repeater Inputs (2)

Footnotes

- (1) 100 KHz channelling, 430.05 through 430.95 inclusive 430.05 - 430.45 cross band linked to 220.55 - 220.95 MHz and 430.55 - 430.95 cross band linked to 1299.05 - 1299.95 MHz.
- (2) See table of repeater pairs

Note: Again lots of room for packet operations up here. Note the cross-band duplexing to 220 and 1300 MHz. (Good for long haul links and local cell sites at these bands.)

Note: This bandplan, those published last month and others to follow next month are presented here for the purpose of starting discussions on how Canadian amateurs think we can achieve the best use of the amateur spectrum. Form discussion local groups and talk it up. Then send the consensus of opinions to Dana Shtun, VE3DSS. Ed. ...Jim, VE3UA

Profiler issue and beyond*From Page 4.*

the hobby. There is no room for any clique to represent all amateur interests. In every policy making and negotiating team, we must assure that at least one visible member of each major mode of interest is represented. We cannot have the "old boys network" that has created disunity and mistrust in the past (thus the existence of two Canadian organizations). The answer is one unified, strong and enthusiastic voice of combined talent and diverse networking. Disagreement should be voiced and debated loudly internally but not in front of Communications Canada. Some argue that two organizations are needed to keep each other in line but isn't that what elections are for? Elections should be fought, not won by acclamation.

In the next set of amateur elections, keep these points in mind. Strive for that ideal organization. Get involved and work on a marketing strategy. Create some videos and glossy pamphlets and approach the educators. By acting now, we still have time to save amateur radio (at least in Canada).

From the archives at Radio Free Willowdale—VE3ABG

HRE/CIDA Special event ...after the event

There were two more special event prefixes which were authorized for use during last month's International Development Week Ham Radio Event (HRE). This authorization was too late to include in either our January or February issue.

If you heard or made contact with stations using either CG2 or CG3, they were indeed properly authorized for the period 11–12 February. The originally authorized special prefixes (see January Hi-Q page 7) did not provide for the two new prefixes recently assigned to Quebec and Ontario.

If you were confused, you were not alone. I guess, now that we have two prefixes assigned in some call areas, we will all have to keep on our toes to be aware of the special event authorizations.

RAC QSL Bureaus

Member societies of the International Radio Union (IARU), operate a worldwide system of QSL Bureaus. The Radio Amateurs of Canada (RAC), as the Canadian member society of IARU, operates a Central Incoming Bureau, and the incoming QSL Bureau for the 12 Canadian call areas.

Incoming Service

IARU member societies send cards to the RAC Central Bureau. Cards are then sorted and forwarded to the Incoming Bureau in each call area. These bureaus use one of three methods to get cards to you. Even though RAC sponsors the bureaus, you DO NOT have to be a member of RAC to use them. However, it is hoped that users will recognize that a benefit like the QSL Bureaus is worthy of your membership support.

The many bureaus operated throughout the country use different methods to distribute the incoming QSL cards. The Ontario Bureau (also known as "The Ontario Trilliums") employs a procedure referred to as method A. Ontario hams wishing to receive cards via the bureau should proceed as follows:

1. Prepare a quantity of 5 x 7.5 inch envelopes addressed to yourself. Print your call on the top left corner of each envelope. Place sufficient postage on the top right corner of each envelope to permit the bureau to mail 50 grams, and;
2. Send your package of stamped and addressed envelopes to the following address:

RAC VE3 Incoming Bureau
The Ontario Trilliums
P.O. Box 157
Downsview, ON M3M 3A3

Please remember these points

- ▶ Keep your bureau informed of any address or call changes.
- ▶ Bureaus are operated by dedicated radio amateurs who volunteer their time to provide this service. You should know that it often takes a long time to receive a card through the bureau system. With the high cost of postage, foreign amateurs and Amateur Radio Societies tend to ship in bulk, often only once or twice a year. If a much needed card is slow in coming, it is unlikely that the delay is at the RAC Bureau. Please be patient.
- ▶ Finally, do not send outgoing cards to an Incoming Bureau.

Outgoing Service

The outgoing RAC QSL Bureau has moved to Alberta. The address is:

RAC QSL Bureau,
Bag 5000,
Morinville, AB., T0G 1P0.

The custodian is Norm Walther VE6VW. Norm has prepared the following information which he hopes will help make QSL card handling easier for everyone.

The RAC QSL Bureau outgoing service is for RAC members only. The Bureau undertakes to send your cards around the world for you. This includes Overseas and American destinations. If you consider current airmail rates, it takes about 40 cards a year to pay for your RAC membership.

Here is how it works:

- ▶ Only regular sized QSL cards will be accepted. Any oversized cards will be folded.
- ▶ All QSL cards must have the callsign of the destination clearly marked on the upper right hand corner.
- ▶ QSL cards should only be sent to active bureaus.
- ▶ DXpedition, special prefixes and calls should have the QSL Manager's call clearly indicated. For example, please don't send W200, 8P9, ZL0, etc., unless you know who the QSL manager is. *(Continued on Page 8.)*

QSL Bureaus (From Page 7.)

- ▶ RAC members who are QSL Managers for other Radio Amateurs will be assessed \$1.00 for each 100 cards sent to the Outgoing Bureau for processing.
- ▶ Sort your cards alpha-numerically. Sort cards for U.S.A. and Canada by call areas.
- ▶ Members using the Bureau for large volume DXpeditions and Club sponsored special events stations will be charged \$1.00 per 100 cards processed.
- ▶ Acknowledgement of receipt of cards will be given if you mail a self addressed stamped envelope with your cards.
- ▶ Your RAC membership number (include your mailing label), should be clearly displayed on the top left of the mailing envelope.
- ▶ QSL cards received which do not conform to these guidelines will be put into a holding file. Members will be informed when this has taken place via a Bureau card. Members will have to pay a \$5.00 postage and handling fee to have cards returned. Cards remaining for a period exceeding one year will be destroyed.

(This article has been compiled from items provided by Cam Inglis, VE3UXN, Editor of the RAC News Service Bulletin No. 01-94, dated 15 January 1994. Thanks Cam, ...Ed.)

Farnsworth - Silent Key

Feb. 08 1994 -- Wes Farnsworth -- The father of the "Farnsworth" method of code passed away. What a great mind. We thank KEONH, Wes, for all that he has contributed to the world of amateur ham radio! We will miss him.

73 de Earl N0QOO, Genesia N0SXM, & Dee N0TEA.

Russia/USA to cooperate in space

*From NASA News release 03 February 1994 via
N5IST@N5IST.NM.USA.NOAM*

NASA today announced that astronauts Norman E. Thagard, M.D., and Bonnie J. Dunbar, Ph.D., have been selected as the prime and backup crew members for a 3-month flight on the Russian space station Mir in 1995. The two veteran astronauts will begin training in Star City, Russia in February.

Thagard will fly onboard Soyuz 18 with two Russian cosmonauts to Mir in March 1995. They will spend approximately 90 days aboard the space station. In June 1995, the crew of mission STS-71 aboard Space Shuttle Atlantis is scheduled to dock with Mir. The Shuttle crew will include two Russian cosmonauts, designated Soyuz 19, who will replace Thagard and the Soyuz 18 crew. That three person crew will return to Earth at the conclusion of Atlantis' mission.

Thagard and Dunbar's assignments are being made to respond to the rapidly expanding U.S./Russia human space flight cooperation. This cooperation consists of a three-phased program. Phase one consists of up to 10 Space Shuttle-Mir missions between 1995 and 1997, including rendezvous, docking and crew transfers. The Space Shuttle will assist with crew exchange, resupply and payload activities for Mir.

A Russian cosmonaut currently is flying aboard the STS-60 Space Shuttle mission launched today. Another cosmonaut will fly on STS-63 in January 1995. Four or more U.S. astronaut stays on the Mir station are planned, totaling more than 2 years of on-orbit time.

Phase two is the joint development of the core international space station program. Phase three is the expansion of the space station to include all of the international partners.

As backup, Dunbar will undergo the same training as Thagard to be ready to serve on the flight crew should that become necessary. The training also will allow her to be eligible to serve on a later MIR crew mission or on a later Shuttle flight that docks with the MIR station.

Thagard, 50, served as mission specialist on four Shuttle flights. He has a variety of experience in space, having deployed a number of spacecraft, including the Magellan planetary probe to Venus. He has performed numerous multi-disciplinary scientific experiments in the pressurized Spacelab module housed in the orbiter's payload bay.

Thagard received bachelor and master of science degrees in engineering science in 1965 and 1966 from Florida State University and received a doctor of medicine degree from the University of Texas Southwestern Medical School in 1977. He was born in Marianna, Fla., but considers Jacksonville his hometown. Thagard was selected as an astronaut in 1978.

Dunbar, 44, has flown three times on the Shuttle. Her first flight, STS 61-A, was the first Spacelab mission with experiment work controlled from outside the United States. Her second flight was as a mission specialist on STS-32 to deploy a satellite and retrieve the Long Duration Exposure Facility deployed from the Shuttle on an earlier flight. Her most recent flight was as Payload Commander on the 13-day U.S. Microgravity Laboratory mission.

For the last year, Dunbar has served as the Deputy Associate Administrator for Microgravity Research at NASA Headquarters.

Dunbar graduated from the University of Washington in 1971 and 1975, respectively, with bachelor and masters degrees in ceramic engineering. She received her doctorate in biomedical engineering from the University of Houston in 1983. Dunbar was born in Sunnyside, Washington. She was selected to be an astronaut in 1980.

As the U.S./Russia cooperative activities progress, it is anticipated that additional NASA personnel will be assigned to support agency activities in Russia.

Food for thought

"The human brain is a wonderful thing. It starts working the moment you are born, and never stops until you stand up to speak." ANON.

**Minutes of the Annual Dinner Meeting of the Lakehead
Amateur Radio Club held at the Pagoda Restaurant,
Dawson Road, Thunder Bay, Ontario on February 10, 1994**

The meeting was called to order by the President, VE3TKA, Terry Stewardson at 7:00 pm. Grace was said by VE3JAB, Bob Bishop.

Following a delicious Chinese buffet enjoyed by 60 members and their guests, a vote of thanks was given to the staff of the Pagoda Restaurant.

VE3ZG, Mike Nawrocki introduced the evening's speaker, Cathy Rhind, manager of facilities and operations for the 1995 World Nordic Games.

Cathy started out by saying she had brought with her a supply of volunteer forms for any one in attendance who would like to volunteer their services to the 1995 World Nordic Games. She explained that an event was coming up at Big Thunder the weekend of March 19th and 20th, 1994. The Nordic Games are looking for amateur radio operators to help out at this event along the various cross country ski courses. This will be a practice run for the organizers for 1995. She mentioned that VE3ZG, Mike Nawrocki was already involved in the communications program for 1995. His duties will be related to the co-ordination of the different radio frequencies that will be required during the games. Amateur radio operators will be required for 1995. As well as providing communications at the skiing events, amateurs will be also required for communications in controlling the shuttle buses from the various parking lots to Big Thunder. For the event taking place in March, 1994, there will be 5 cross country ski events which will be run separately. The Games are planning to have uniforms valued at \$350.00 for 1995 and volunteers are being asked to pay \$80.00 if they want uniforms. Cathy fielded questions from the floor. 48 countries will participate in 1995. the telephone number for further information is 623-1995.

Following her presentation, Cathy was presented a token of our appreciation by VE3ZG, Mike Nawrocki.

VE3TKA, Terry Stewardson assumed the floor to conduct the business meeting.

Minutes of the previous meeting:

The minutes of the previous meeting held January 13, 1994 were published in detail in the February issue of "HI-Q" and mailed to all members.

Motion: moved by VE3RVA, Bob Hansen and seconded by VE3BHN, Bob Gillespie that the minutes be accepted as printed. **Carried.**

Treasurer's Report:

VE3BBS, Skip Wright reported the annual 1993 - 94 financial statement as of February 10, 1994 as follows:

Balance forward as of January 13, 1994	\$ 3,546.17
Expenses	\$ 782.56
Income	\$ 371.00
Petty Cash	\$ 82.49
Balance forward as of February 10, 1994	\$ 3,217.10

Motion: moved by VE3GTX, John Watson and seconded by VE3XET, Eric Todd that the Treasurer's report be accepted. **Carried.**

New Business:

2m Amplifiers: this project is still a go, but somewhat behind schedule at this time.

March 19th and 20th: approximately 30 operators will be required for the two day event at Big Thunder. If you are interested, contact VE3BBS, Skip Wright.

The Real Story: VE3JAB, Bob Bishop, a member of the board of directors of Radio Amateurs of Canada updated the members on the happenings of RAC. If RAC makes a policy statement, it will be published in The Canadian Amateur magazine and will be signed by the President of RAC.

Barry Hunter Memorial Trophy: VE3BBS, Skip Wright announced that the winner of the "Barry Hunter Memorial Trophy" for both 2m VHF and 2m single side band was VE3AJ, Les Brown. As Les was unable to attend this meeting, the trophies will be presented at the March meeting.

Presentations: VE3AJ, Bill Klemacki took over the floor to make two presentations. The first was to Linda Wright in recognition of her putting up with all the time her husband spends on club business. Linda now has a coffee cup with a picture of Skip on it so she knows what he looks like. The second presentation was to one of Thunder Bay's newest amateurs, VE3NCN, Bill's wife Joan. Joan now has her very own key for working CW.

Motion: moved by VE3BHN, Bob Gillespie and seconded by VA3MOB, Maureen Bell that the meeting be adjourned. **Carried.**

Winner of the 50/50 draw: VE3XLB, Linda Bell

The meeting concluded with numerous draws for many generously donated prizes.

1994

March

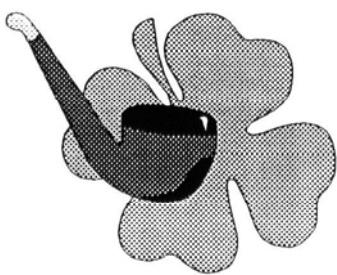
1994

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	4
6 ARRL Intnl. DX Phone Contest	7 7:00p.m. 2M Mini Net Swap'n'Shop VE3YQT	8	9	10 7:30 p.m. LARC Meeting	11	12
13 Commenwealth or BERU (RSGB)	14 7:00p.m. 2M Mini Net Swap'n'Shop VE3YQT	15 WIAW Qualifying Run 10-35 WPM CLARA & Family HF Contest	16 CLARA & Family HF Contest	17 Nordic Games Practice Events St. Patrick's	18 Nordic Games Trials	19 Nordic Games Trials Bermuda Contest
20	21 7:00p.m. 2M Mini Net Swap'n'Shop VE3YQT	22	23 WIAW Qualifying Run 10-35 WPM	24 Pre World Jumping	25 Pre World Jumping	26 Pre World Jumping CQ WW WPX Contest
27 CQ WW WPX Contest	28 7:00p.m. 2M Mini Net Swap'n'Shop VE3YQT	29	30	31	Contact Skip, VE3BBS if you are able to provide radio communications assistance on the ski slopes.	

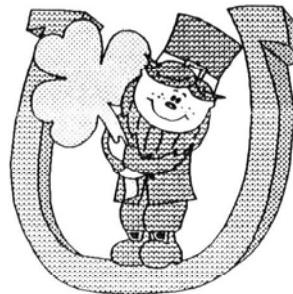
Irish Blessing

From: WB7AHN via packet.

May the road rise up to meet you,
 May the wind be always at your back,
 May the sun shine warm upon your face,
 And the rain fall soft upon your fields.



And until we meet again,



May God hold you in the palm of his hand.
 And may you be in heaven, one half hour before the devil knows your dead.

Moving? Be sure your Hi-Q follows you! Send your change of address notice to:
 LARC — Hi-Q ▼ P.O. Box 2571 ▼ Thunder Bay ON Canada P7B 5G1